

OCT 16 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of the Claims:

38. (Currently amended) An endoscope comprising:
- a) a high-power solid state light-emitting device having a light emitting region of a semiconductor chip with a lens and coupling gel removed, and
 - b) a fiber optic light guide comprising a light-receiving end and a light-transmitting end wherein the light receiving end is placed directly against the light emitting region of the light-emitting device, said light-receiving end matching the size and shape of ~~matching~~ the light-emitting region.
39. (Previously presented) The endoscope of claim 38, wherein the light-emitting surface of the light-emitting device is coated with a wavelength conversion phosphor.
40. (Previously presented) The endoscope of claim 38, wherein the light emitting surface of the light-emitting device is about 1 mm square.
41. (Previously presented) The endoscope of claim 38, wherein the high-power solid state light-emitting device draws up to 5W of power.
42. (Previously presented) The endoscope of claim 38, wherein the fiber optic light guide comprises a bundle of optic fibers.
43. (Previously presented) The endoscope of claim 42, wherein the fibers have diameters of about 30-50 micrometers.

44. (Previously presented) The endoscope of claim 38, further comprising a ferrule that surrounds the fiber optic light guide.
45. (Previously presented) The endoscope of claim 44, wherein the ferrule is located close to but not at the light receiving end of the fiber optic light guide.
46. (Previously presented) The endoscope of claim 38, wherein the light-emitting surface of the light-emitting device is substantially flat.
47. (Previously presented) The endoscope of claim 46, wherein the light receiving end of the fiber optic light guide is flat.
48. (Previously presented) The endoscope of claim 38, wherein the fiber optic light guide comprises a single glass or plastic fiber.
49. (Previously presented) The endoscope of claim 38, further comprising a light-emitting device battery power source.
50. (Currently Amended) An illumination device comprising:
a) a high-power solid state light-emitting device having a light emitting region of a semiconductor chip with a lens and coupling gel removed, and
b) a fiber optic light guide comprising a light-receiving end and a light-transmitting end wherein the light receiving end is placed directly against the light emitting region of the light-emitting device, said light-receiving end matching the size and shape of ~~matching~~ the light-emitting region.
51. (Previously presented) The illumination device of claim 50 wherein the high power light-emitting device is coated with a wavelength conversion

phosphor.

52. (Previously presented) The illumination device of claim 50, wherein the light emitting surface of the light-emitting device is about 1 mm square.
53. (Previously presented) The illumination device of claim 50, wherein the high-power solid state light-emitting device draws up to 5W of power.
54. (Previously presented) The illumination device of claim 50, wherein the fiber optic light guide comprises a bundle of optic fibers.
55. (Previously presented) The illumination device of claim 54, wherein the fibers have diameters of about 30-50 micrometers.
56. (Previously presented) The illumination device of claim 50, further comprising a ferrule that surrounds the fiber optic light guide.
57. (Previously presented) The illumination device of claim 56, wherein the ferrule is located close to but not at the light receiving end of the fiber optic light guide.
58. (Previously presented) The illumination device of claim 50, wherein the light-emitting surface of the light-emitting device is substantially flat.
59. (Previously presented) The illumination device of claim 58, wherein the light receiving end of the fiber optic light guide is substantially flat.
60. (Previously presented) The illumination device of claim 50, wherein the fiber optic light guide comprises a single glass or plastic fiber.

61. (Previously presented) The illumination device of claim 50, further comprising a light-emitting device battery power source.